

REMARKS

The Specification has been amended to correct typographical errors. Claims 1-4 are hereby canceled. New claims 5-10 have been added. Six (6) claims remain pending in the application.

Amendments to the Specification

The paragraph beginning at page 2, line 11 has been amended to correct a spelling error. More particularly, on page 2, line 16 "positives" has been replaced with --positive--.

The paragraph beginning at page 5, line 14 has been amended to correct a spelling error. More particularly, on page 5, line 18 "negatives" has been replaced with --negative--.

The paragraph beginning at page 6, line 5, has been amended to correct a grammar error. More particularly, on page 6, line 8 has added --and--.

Amendments to the Claims

Claims 5-10 replace originally filed claims 1-4 to conform them to the corresponding pending PCT application. It is submitted that no new matter has been added.

Conclusion

Applicant respectfully requests that a timely Notice of Allowance be issued in this case.

Respectfully submitted,



M. ELIZABETH BUSH

Reg. No. 38,402

Agent for Applicant(s)

Quallion LLC
P.O. Box 923127
Sylmar, CA 91392-3127
818-833-2003 ph
818-833-2065 fax

Version with markings to show changes made

In the specification:

Paragraph beginning at line 11 of page 2 has been amended as follows:

In further accordance with the preferred embodiment, the positive tabs are electrically connected to the peripheral wall by first folding them over the lower wall edge. A conductive end cap is mounted against the peripheral wall lower edge to pinch and electrically connect the positive tabs therebetween. The end cap is then sealed to the case peripheral wall, e.g., by laser welding, to completely seal the battery lower end and electrically connect the [positives] positive tabs to the case peripheral wall.

Paragraph beginning at line 14 of page 5 has been amended as follows:

After the metal ring 78 and dielectric ring 70 have been installed at the upper end of the peripheral wall 14, the aforescribed jelly roll assembly 22 is inserted into the case 12 from the open lower end 18. The upwardly extending negative tabs 50, 52 are formed to extend through a central opening 90 in annular flange 86. The [negatives] negative tabs 50, 52 are then electrically secured, as by welding, to the ring surface 88.

Paragraph beginning at line 5 of page 6 has been amended as follows:

From the foregoing, it should now be recognized that a battery construction has been described herein which minimizes the amount of wasted space within the battery case and insures that substantially the entire interior volume sealed with the case is available and can be used for accommodating an electrode assembly. Wasted interior space is minimized by directly connecting a plurality of first polarity tabs extending from the electrode assembly to a current collection ring adjacent the upper end of the case. A plurality of second polarity tabs is directly connected to a lower edge of the case thereby assuring that substantially the entire volume is available for accommodating the electrode assembly. This construction yields a high energy density output which is further enhanced by the utilization of multiple tabs which reduces the internal resistance of the battery.



Title: Lithium-Ion Battery Hybrid Electric Vehicle
Inventor: Ruth et al.
Application No.: 09/842,790
Docket No.: Q112-US1

6605382

1/5

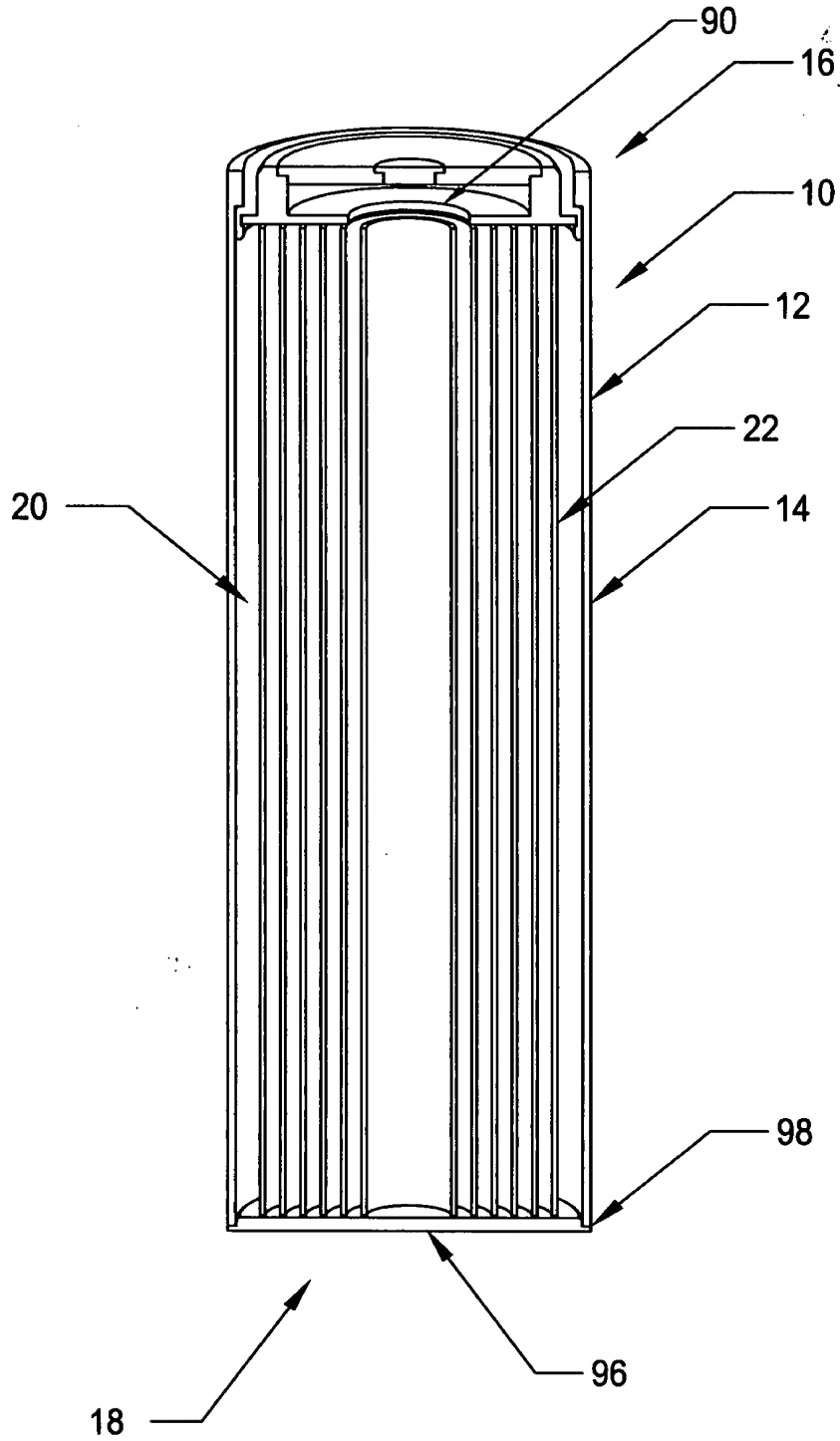


FIG. 1



Title: Lithium-Ion Battery Hybrid Electric Vehicle
Inventor: Ruth et al.
Application No.: 09/842,790
Docket No.: Q112-US1

2/5

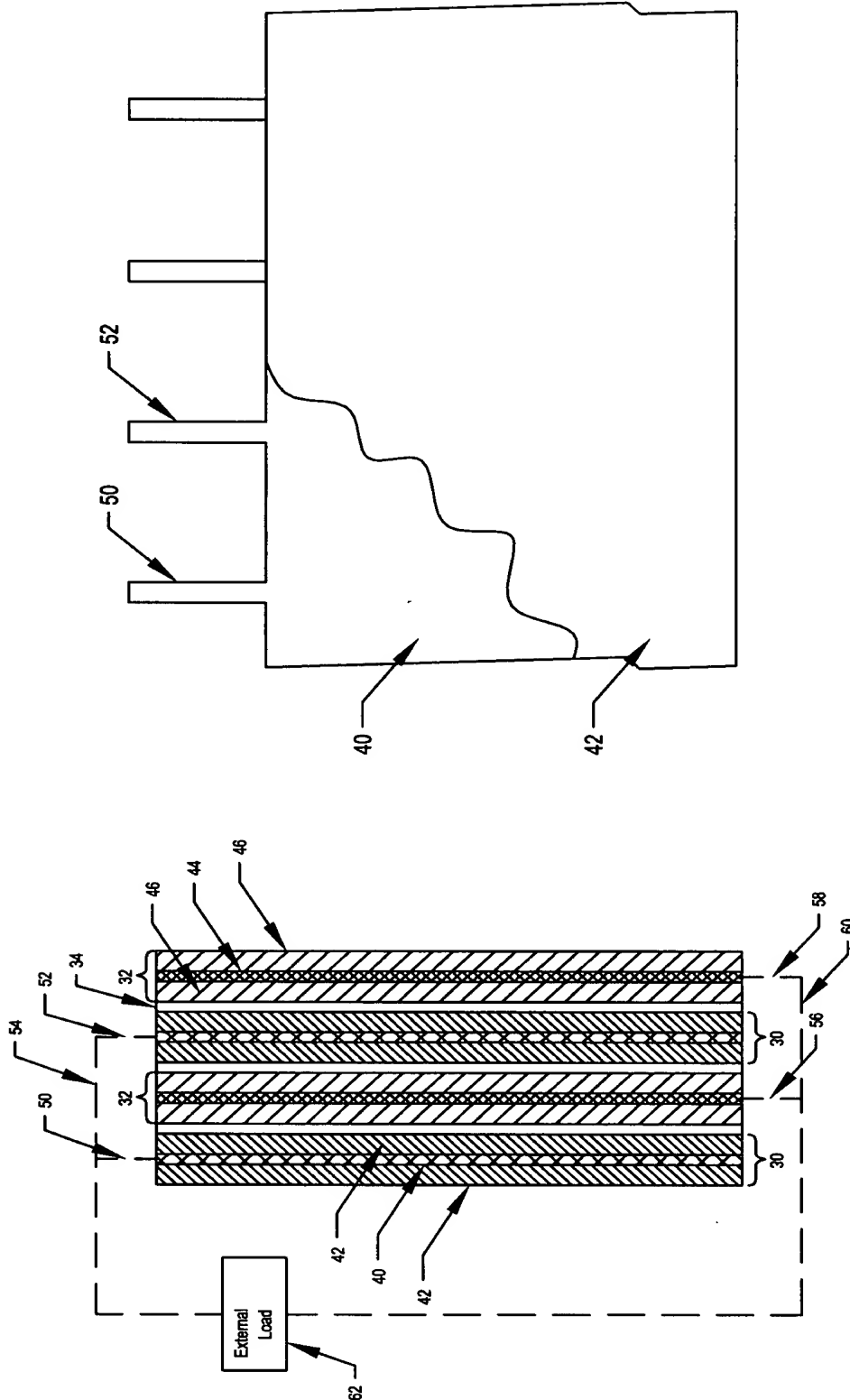


FIG. 2

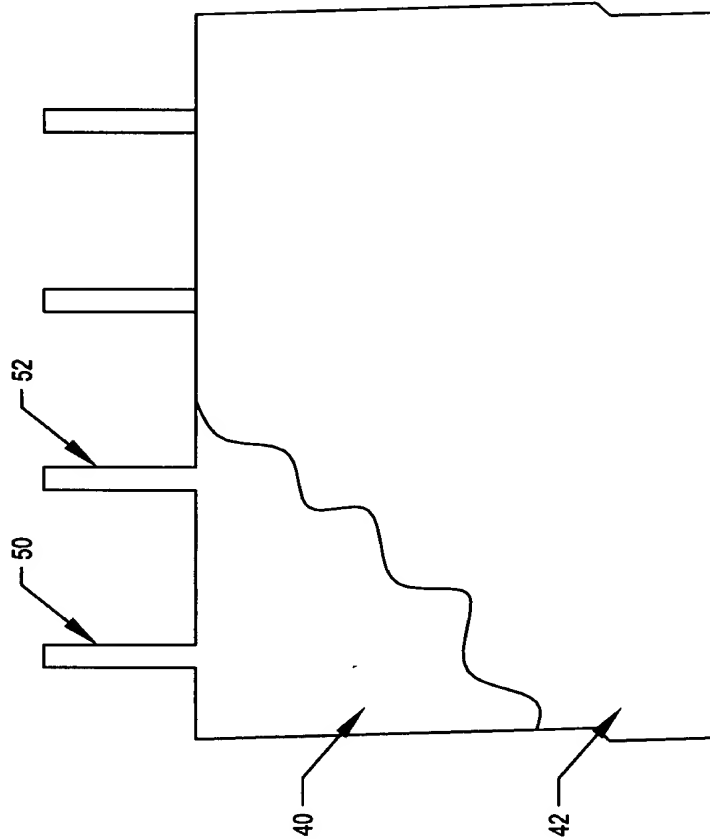


FIG. 3

MAIL DATE CANCELLED
OCT 03 2002
O I P E J C S S
PATENT & TRADEMARK OFFICE

Title: Lithium-Ion Battery for Hybrid Electric Vehicle
Inventor: Ruth et al.
Application No.: 09/842,790
Docket No.: Q112-US1

3/5

O I P E J C S S
OCT 02 2002
PATENT & TRADEMARK OFFICE

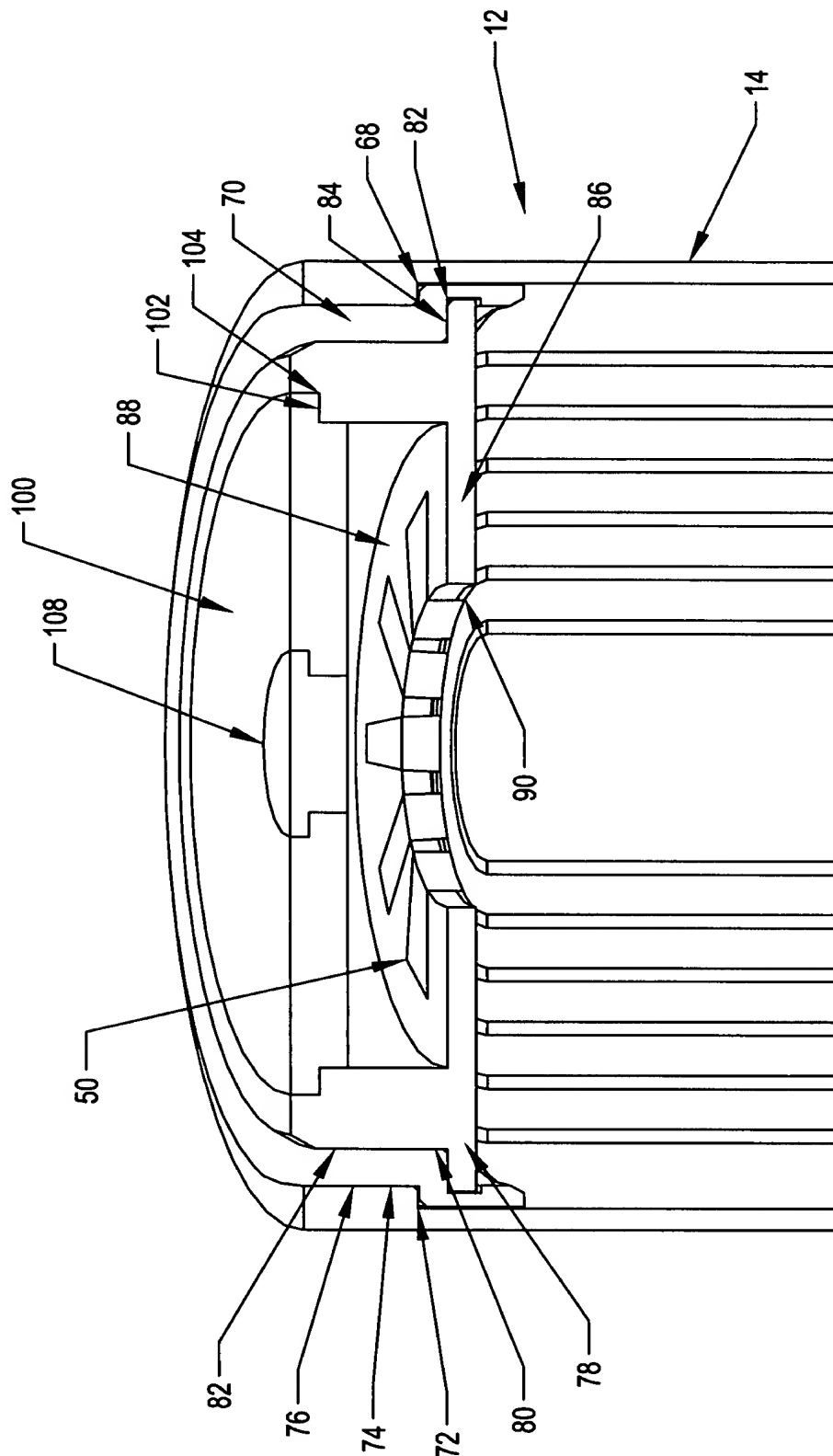
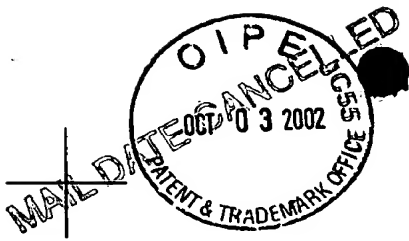


FIG. 4



Title: Lithium-Ion Battery Hybrid Electric Vehicle
Inventor: Ruth et al.
Application No.: 09/842,790
Docket No.: Q112-US1

4/5

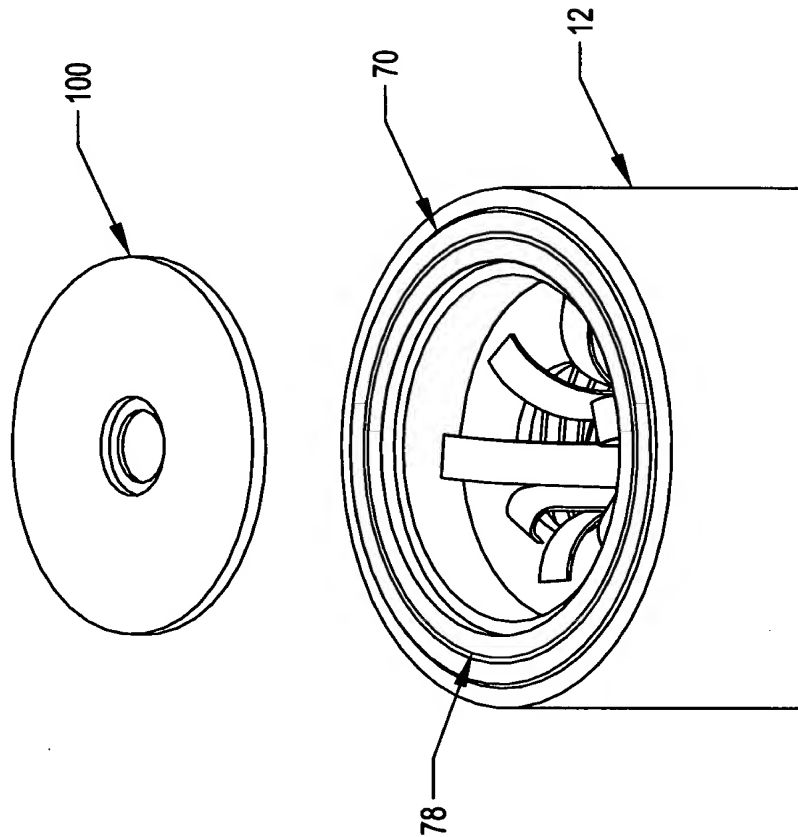
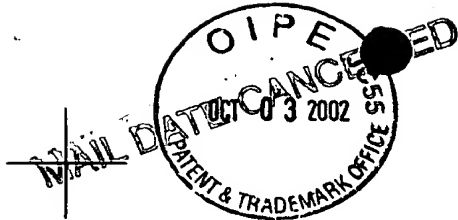


FIG. 5





Title: Lithium-Ion Battery for Hybrid Electric Vehicle
Inventor: Ruth et al.
Application No.: 09/842,790
Docket No.: Q112-US1

5/5

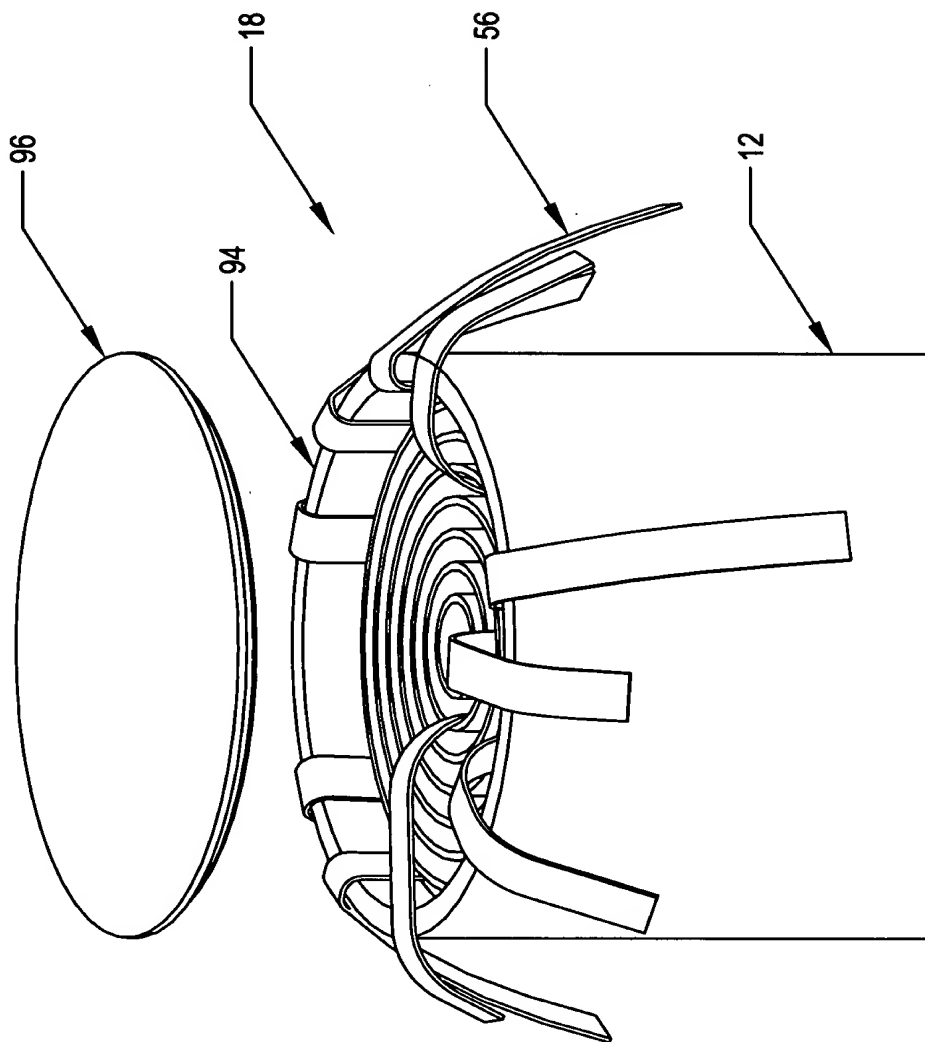


FIG. 6

